

Technical data sheet

ALBERDINGK® Ren U 4000

Characteristic:

Solvent free, aliphatic polyurethane dispersion based on renewable resources.

Specification:

Solids content	%	27.0 - 29.0	ISO 3251 0.5 g weighed quantity at 105°C
pH- value		8.0 - 9.5	ISO 976
Viscosity	mPas	20 - 200	ISO 2555, Brookfield RVT Spindle 1/rpm 50/factor 2

Further typical data*:

MFFT	°C	ca. 0	
Density	g/cm3	1.0 - 1.1	ISO 2811-1
Solvent-free			

Film properties*:

E-Modulus	N/mm2	ca. 5.0	ISO 527-1
Ultimate tensile strength	N/mm2	ca. 60	ISO 527-1
Elongation at break	%	ca. 650	ISO 527-1

Applications:

Highly suited as primer on plastic substrates (e.g. corona treated BOPP). The polymer film can be easily recoated with other materials.

Highlights:

The biobased content is approx. 57% (on solids).

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Storage:

In originally closed containers ALBERDINGK-dispersions are stable when stored at 20°C for 6 months after delivery date. The recommended temperature-range for storage is 5 - 30°C. Freezing or storage at higher temperatures than 30°C, can affect the viscosity or the average particle size and finally lead to a sedimentation or coagulation. A contamination with bacteria, fungi or algae can damage the product irreversibly. The product is only preserved for the transport. For a longer storage time, we recommend to add additional preservative. A warranty for the sterility after storage can not be granted. ALBERDINGK BOLEY GmbH assures that the data mentioned under "specification" are stable for 6 months after delivery date, if the product is stored under the recommended conditions. A longer storage does not mean that the product is not usable anymore, but we recommend to check the specification data before use. A warranty after 6 months of storage can not be given by ALBERDINGK BOLEY GmbH. The product should be stirred well before use.

Packaging:

plastic drums (120 kg)
one-way container (approx. 1000 kg)
as bulk in tank cars, by agreement.

Safety:

For further information on product safety please refer to the current safety data sheet.

Notice:

* General information - the values can not be considered as part of the product specification.